Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssspta1626gms

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2		"Ask CAS" for self-help around the clock
NEWS 3	Jun 03	New e-mail delivery for search results now available
NEWS 4	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 5	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS 6	Aug 26	Sequence searching in REGISTRY enhanced
NEWS 7	Sep 03	JAPIO has been reloaded and enhanced
NEWS 8	Sep 16	Experimental properties added to the REGISTRY file
NEWS 9	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS 10	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS 11	Oct 24	BEILSTEIN adds new search fields
NEWS 12	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS 13	Nov 18	DKILIT has been renamed APOLLIT
NEWS 14	Nov 25	More calculated properties added to REGISTRY
NEWS 15	Dec 04	CSA files on STN
NEWS 16	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS 17	Dec 17	TOXCENTER enhanced with additional content
NEWS 18	Dec 17	Adis Clinical Trials Insight now available on STN
NEWS 19	Jan 29	Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC
NEWS 20	Feb 13	CANCERLIT is no longer being updated
NEWS 21	Feb 24	METADEX enhancements
NEWS 22	Feb 24	PCTGEN now available on STN
NEWS 23	Feb 24	TEMA now available on STN
NEWS 24	Feb 26	NTIS now allows simultaneous left and right truncation
NEWS 25	Feb 26	PCTFULL now contains images
NEWS 26	Mar 04	SDI PACKAGE for monthly delivery of multifile SDI results
NEWS 27	Mar 20	EVENTLINE will be removed from STN
NEWS 28	Mar 24	PATDPAFULL now available on STN
NEWS 29	Mar 24	Additional information for trade-named substances without structures available in REGISTRY
NEWS 30	Apr 11	Display formats in DGENE enhanced
NEWS 31	Apr 14	MEDLINE Reload
NEWS 32	Apr 17	Polymer searching in REGISTRY enhanced
NEWS 33	Jun 13	Indexing from 1947 to 1956 added to records in CA/CAPLUS
NEWS 34	Apr 21	New current-awareness alert (SDI) frequency in WPIDS/WPINDEX/WPIX
NEWS 35	Apr 28	RDISCLOSURE now available on STN
NEWS 36	May 05	Pharmacokinetic information and systematic chemical names added to PHAR
NEWS 37	May 15	MEDLINE file segment of TOXCENTER reloaded
NEWS 38	May 15	Supporter information for ENCOMPPAT and ENCOMPLIT updated
NEWS 39	May 16	CHEMREACT will be removed from STN
NEWS 40	May 19	Simultaneous left and right truncation added to WSCA
NEWS 41	May 19	RAPRA enhanced with new search field, simultaneous left and right truncation

```
 NEWS 42  Jun 06  Simultaneous left and right truncation added to CBNB
 NEWS 43  Jun 06  PASCAL enhanced with additional data
 NEWS 44  Jun 20  2003 edition of the FSTA Thesaurus is now available
 NEWS 45  Jun 25  HSDB has been reloaded

 NEWS EXPRESS  April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT
               MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
               AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
 NEWS HOURS    STN Operating Hours Plus Help Desk Availability
 NEWS INTER    General Internet Information
 NEWS LOGIN    Welcome Banner and News Items
 NEWS PHONE    Direct Dial and Telecommunication Network Access to STN
 NEWS WWW      CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that
specific topic.

  All use of STN is subject to the provisions of the STN Customer
  agreement.  Please note that this agreement limits use to scientific
  research.  Use for software development or design or implementation
  of commercial gateways or other similar uses is prohibited and may
  result in loss of user privileges and other penalties.

  * * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 15:48:56 ON 01 JUL 2003

=> FIL CAPLUS
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     0.21       0.21

FILE 'CAPLUS' ENTERED AT 15:49:18 ON 01 JUL 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)


Copyright of the articles to which records in this database refer is
held by the publishers listed in the PUBLISHER (PB) field (available
for records published or updated in Chemical Abstracts after December
26, 1996), unless otherwise indicated in the original publications.
The CA Lexicon is the copyrighted intellectual property of the
American Chemical Society and is provided to assist you in searching
databases on STN.  Any dissemination, distribution, copying, or storing
of this information, without the prior written consent of CAS, is
strictly prohibited.

FILE COVERS 1907 - 1 Jul 2003  VOL 139 ISS 1
FILE LAST UPDATED: 30 Jun 2003  (20030630/ED)

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.


=> s perfluoro(w)alkanesulfonate?
         12909 PERFLUORO
          2853 ALKANESULFONATE?
L1           4 PERFLUORO(W)ALKANESULFONATE?

=> s perfluoro(w)alkylsulfonic(w)acid?
         12909 PERFLUORO
           509 ALKYLSULFONIC
```

4308366 ACID?
L2 2 PERFLUORO(W)ALKYLSULFONIC(W)ACID?

=> d l1 ibib abs hitstr tot

L1 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2002:628801 CAPLUS
DOCUMENT NUMBER: 137:180942
TITLE: Inhibition of gap junctional intercellular communication by perfluorinated compounds in rat liver and dolphin kidney epithelial cell lines in vitro and Sprague-Dawley rats in vivo
AUTHOR(S): Hu, Wenyue; Jones, Paul D.; Upham, Brad L.; Trosko, James E.; Lau, Christopher; Giesy, John P.
CORPORATE SOURCE: Aquatic Toxicology Laboratory, Department of Zoology, National Food Safety and Toxicology Center and Institute of Environmental Toxicology, Michigan State University, East Lansing, MI, 48824, USA
SOURCE: Toxicological Sciences (2002), 68(2), 429-436
CODEN: TOSCF2; ISSN: 1096-6080
PUBLISHER: Oxford University Press
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Gap junctional intercellular communication (GJIC) is the major pathway of intercellular signal transduction, and is thus important for normal cell growth and function. Recent studies have revealed a global distribution of some perfluorinated org. compds., esp. perfluorooctane sulfonic acid (PFOS) in the environment. Because other perfluoroalkanes had been shown to inhibit GJIC, the effects of PFOS and related sulfonated fluorochems. on GJIC were studied using a rat liver epithelial cell line (WBF344) and a dolphin kidney epithelial cell line (CDK). In vivo effects on GJIC were studied in Sprague-Dawley rats orally exposed to PFOS for 3 days or 3 wk. Effects on GJIC were measured using the scrape loading dye technique. PFOS, perfluorooctane sulfonamide (PFOSA), and perfluorohexane sulfonic acid (PFHA) were found to inhibit GJIC in a dose-dependent fashion, and this inhibition occurred rapidly and was reversible. Perfluorobutane sulfonic acid (PFBS) showed no significant effects on GJIC within the concn. range tested. A structure activity relationship was established among all 4 tested compds., indicating that the inhibitory effect was detd. by the length of fluorinated tail and not by the nature of the functional group. The results of the studies of the 2 cell lines and the in vivo exposure were comparable, suggesting that the inhibitory effects of the selected perfluorinated compds. on GJIC were neither species nor tissue-specific and can occur both in vitro and in vivo.
REFERENCE COUNT: 39 THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L1 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2001:651460 CAPLUS
DOCUMENT NUMBER: 135:196652
TITLE: Preparation of bis(perfluoro alkanesulfonyl)imide anion-doped polythiophene and battery electrode thereof
INVENTOR(S): Takeda, Masayuki; Takahashi, Takako; Ue, Makoto
PATENT ASSIGNEE(S): Mitsubishi Chemical Corp., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO. DATE

JP 2001240730	A2	20010904	JP 2000-50836	20000228

PRIORITY APPLN. INFO.: JP 2000-50836 20000228
OTHER SOURCE(S): MARPAT 135:196652
AB Title polymer, demonstrating high elec. cond. and good impedance properties, useful as a cathode in secondary battery, was prepd. by doping polythiophene with bis(perfluoroalkanesulfonyl)imide anion and/or tris(perfluoroalkanesulfonyl)methide anion. Thus, a cathodic electrolytic capacitor was prepd. by using polythiophene having elec. cond. 15 S/cm (polymd. using FeCl3 in the presence of lithium bis(trifluoromethanesulfonyl)imide) in N-methylpyrrolidinone to give a battery showing capacitance 24 .mu.F and dielec. loss 0.9% at 120 Hz and equiv. resistance 5.OMEGA. at 100 kHz.

L1 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1991:130274 CAPLUS
DOCUMENT NUMBER: 114:130274
TITLE: Partial molar volumes of sodium perfluoroalkanoates and lithium perfluoro-1-alkanesulfonates in aqueous solutions
AUTHOR(S): Tamaki, Kunio; Watanabe, Sumiko; Daikyoji, Yuichi
CORPORATE SOURCE: Dep. Chem., Yokohama City Univ., Yokohama, 236, Japan
SOURCE: Bulletin of the Chemical Society of Japan (1990), 63(12), 3681-2
CODEN: BCSJA8; ISSN: 0009-2673
DOCUMENT TYPE: Journal
LANGUAGE: English
AB The densities of aq. solns. of sodium perfluoroalkanoates, F(CF2)nCOONa (n = 1-4, 6, 7) and lithium perfluoro-1-alkanesulfonates, F(CF2)nSO3Li (n = 1, 4, 8) were measured at 25.degree.C, and the limiting partial molar volumes were calcd. The assignment of group partial molar volumes is discussed.

L1 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1967:37572 CAPLUS
DOCUMENT NUMBER: 66:37572
TITLE: **Perfluoro alkanesulfonate** esters. Reaction of 2,2,2-trifluoroethyl trifluoromethanesulfonate with-p-dimethylaminophenylmagnesium bromide
AUTHOR(S): Mendel, Arthur
CORPORATE SOURCE: Minnesota Mining and Manuf. Co., St. Paul, MN, USA
SOURCE: Journal of Organic Chemistry (1966), 31(10), 3445-6
CODEN: JOCEAH; ISSN: 0022-3263
DOCUMENT TYPE: Journal
LANGUAGE: English
GI For diagram(s), see printed CA Issue.
AB p-Me2NC6H4MgBr with CF3SO2OCH2CH2CF3 gave p-dimethylaminophenyl trifluoromethyl sulfone (I) and 2,2,2 - trifluoroethyl p - dimethylaminobenzenesulfonate. In addn. of acid-sol. nonfluorine-contg. purple material was isolated but could not be purified.

=> d l2 ibib abs hitstr tot

L2 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2003:282877 CAPLUS
DOCUMENT NUMBER: 138:306811
TITLE: Oligomeric proton-conducting polyimide and acid-functionalized block copolymers as fuel cell polymer separators
INVENTOR(S): Lehmann, Dieter; Meier-Haack, Jochen; Vogel, Claus; Taeger, Antje; Pereira Nunes, Suzana; Paul, Dieter;

Peinemann, Klaus-viktor; Jakoby, Kai
PATENT ASSIGNEE(S): Institut Fuer Polymerforschung Dresden E.V., Germany; Gkss-Forschungszentrum Geesthacht Gmbh
SOURCE: PCT Int. Appl., 30 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003030289	A2	20030410	WO 2002-DE3736	20020927

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

DE 10149716	A1	20030430	DE 2001-10149716	20010928

PRIORITY APPLN. INFO.: DE 2001-10149716 A 20010928

AB Fuel cell polymer membranes, esp. with improved methanol retention capacity for direct methanol fuel cells, comprises one or more sepg. layers consisting of diblock or multiblock copolymers, with general segment structures A-(B-A)k, B-(A-B)l, and (A-B)m (k .gtoreq.1, l .gtoreq.1, and m .gtoreq.1), in which the block segment (A) comprises an oligomer segment that is non-conducting to electrons and non-conducting to protons, and the block segment (B) comprises an oligomer segment that is conducting to protons and non-conducting to electrons. Block segments (A) and (B) are selected from oligoarylimide, oligoaryl sulfide, oligoaryl ether sulfone, oligoaryl ether, oligoaryl ether ketone, oligoarylene ether ether ketone, oligoaramide, oligoaryl urea, oligoarylene oxadiazole, oligoarylene sulfonamide, oligobenzimidazole, oligobenzoxazole, oligobenzthiazole, and oligoquinoline segments, with d.p. 2-50, optionally in combination with proton-conducting groups, such as sulfonic acids, phosphonic acids, **(perfluoro)alkylsulfonic acids**, (perfluoro)alkylphosphonic acids, (perfluoro)alkenecarboxylic acids, triazine groups, tertiary-amino groups, and quaternary ammonium groups.

L2 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1999:780515 CAPLUS
DOCUMENT NUMBER: 131:351010
TITLE: High selective and effective synthetic method and use of functional (Z,E) conjugated bi-alkene compounds
INVENTOR(S): Lu, Xiyan; Wang, Zhong
PATENT ASSIGNEE(S): Shanghai Inst. of Organic Chemistry, C.A.S., Peop. Rep. China
SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, 17 pp.
CODEN: CNXXEV
DOCUMENT TYPE: Patent
LANGUAGE: Chinese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CN 1151392	A	19970611	CN 1996-116429	19960718

CN 1045587 B 19991013
PRIORITY APPLN. INFO.: CN 1996-116429 19960718
OTHER SOURCE(S): CASREACT 131:351010; MARPAT 131:351010
AB Title compds. [(Z,E)-XCH:CHCH:CHCH(R1)CH(R2)EWG (X = Cl, Br, I; R1 = H, C1-3 alkyl; R2 = H, C1-6 alkyl, COOR3, Ph, substituted phenyl; R3 = C1-8 alkyl; EWG = CHO, COR4, CH=NSO2Ar; Ar = Ph, methylphenyl; R4 = C1-2 alkyl phenyl)] are prepd. by conjugating R1HC:CR2EWG (R1, EWG as above) with acetylene and Pd(II) as catalysts in the presence of acid and MX (M = Li, Na, K, Bu4N, (CH3(CH2)7)4N; X = Cl, Br, I) in polar solvent (AcOH, TFA, MeCN, DMF-H2O, Et2O/H2O, benzene/H2O) at 0-50.degree. for 1-24 h. The mole ratio of Pd(II) catalyst to acetylene, MX, and R1CH:CR2EWG is 0.00005-0.05:1-1,. The Pd(II) catalysts are selected from Pd(OAc)2, PdCl2(PhCN)2, PdCl2(MeCN)2, Pd(acac)2, PdCl2, PdBr2, Li2PdCl4, and Li2PdBr4; and the acid from HCl, HBr, H2SO4, H3PO4, HOAc, trifluoroacetic acid, **perfluoro-alkylsulfonic acid**, and fluoro-chloroalkylsulfonic acid. The compd. is used for synthesis of material contg. the conjugated bi-alkene of pesticide, medicine, cosmetic, and perfume.

=> log y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	27.27	27.48

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-3.91	-3.91

STN INTERNATIONAL LOGOFF AT 15:55:10 ON 01 JUL 2003